

FIG 1

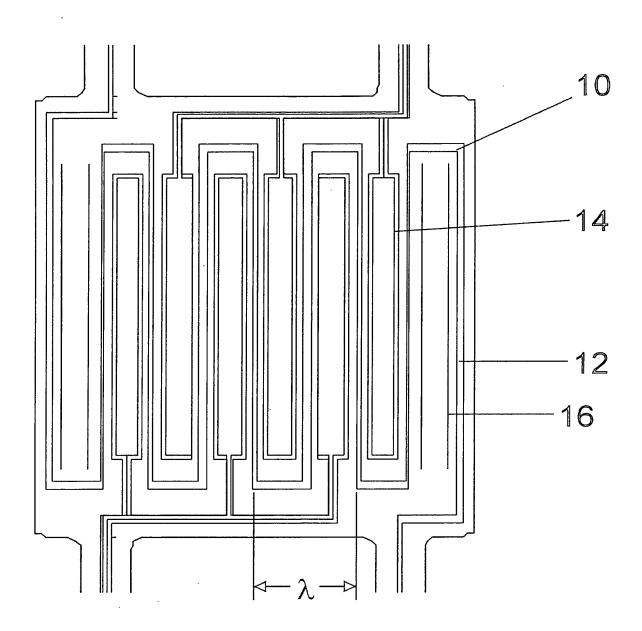


FIG 2

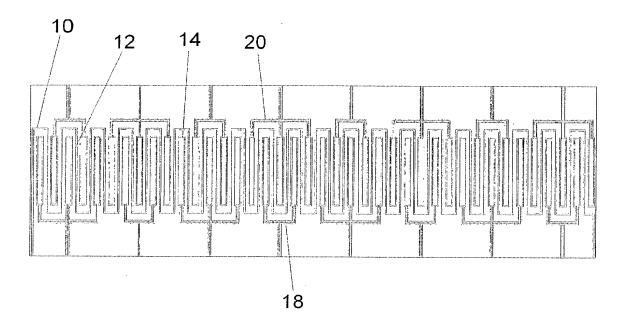


FIG 3

Title: HIGH RESOLUTION INDUCTIVE SENSOR...

Inventors: Neil J. Goldfine, et al.

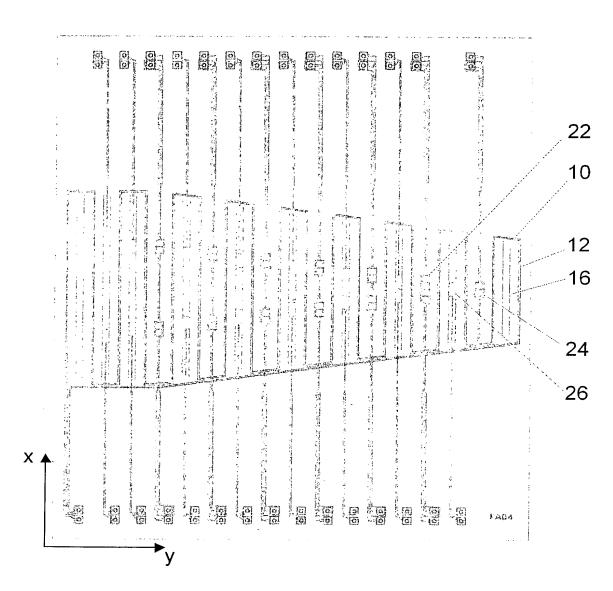


FIG 4

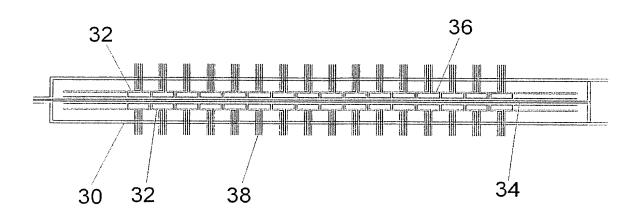


FIG 5A

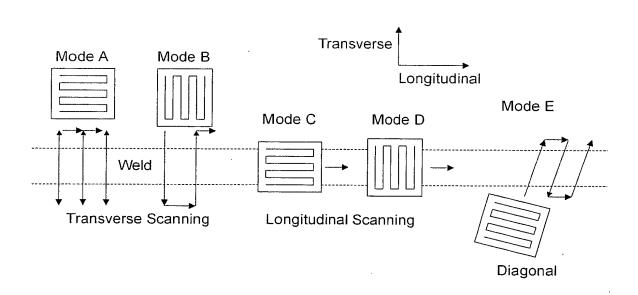


FIG 6

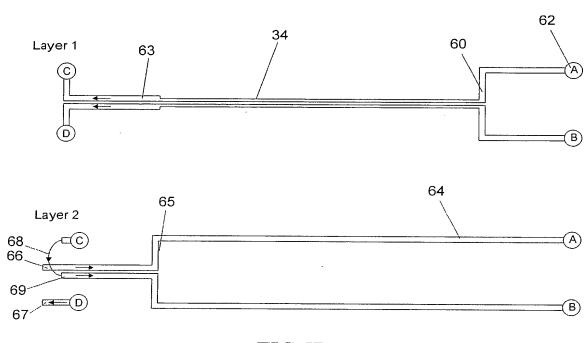


FIG 5B

Title: HIGH RESOLUTION INDUCTIVE SENSOR...

Inventors: Neil J. Goldfine, et al.

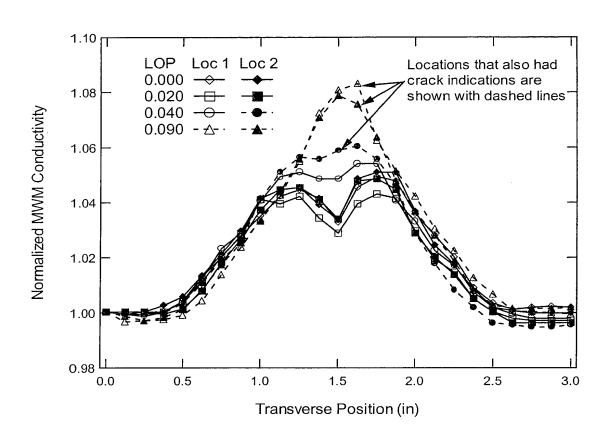


FIG 7

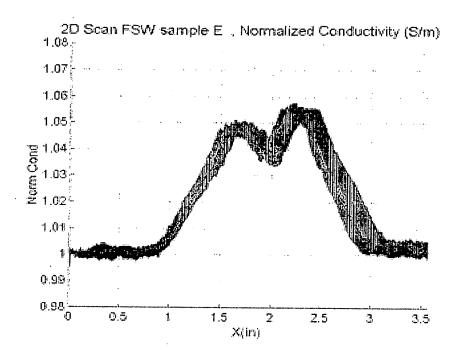


FIG 8

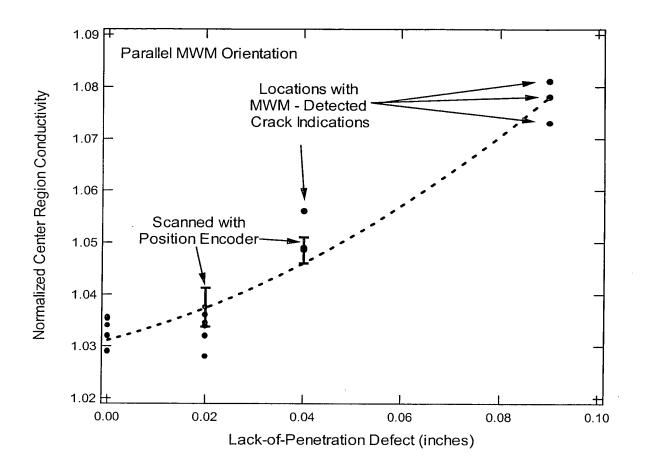


FIG 9

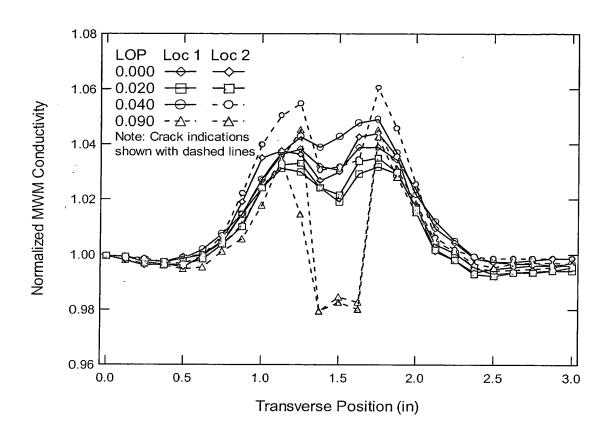


FIG 10.

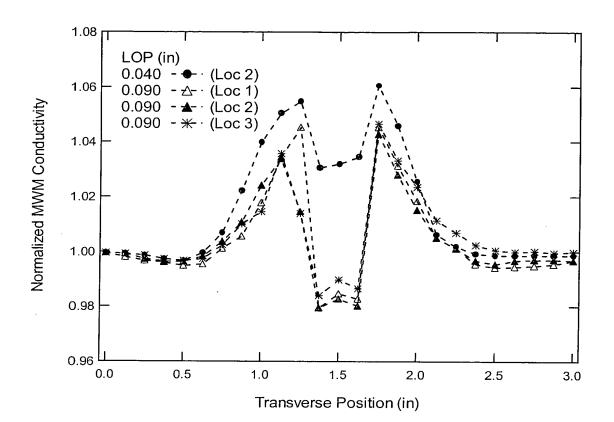


FIG 11

Docket No.: 1884.2005-003
Title: HIGH RESOLUTION INDUCTIVE SENSOR.

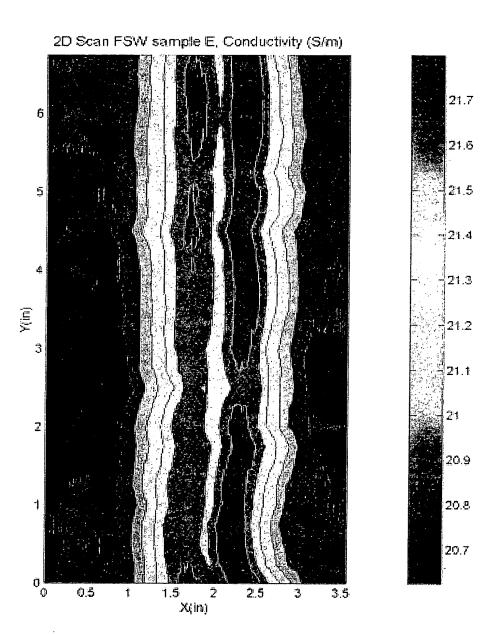


FIG 12

2D Scan FSW sample E., Normalized Conductivity (S/m)

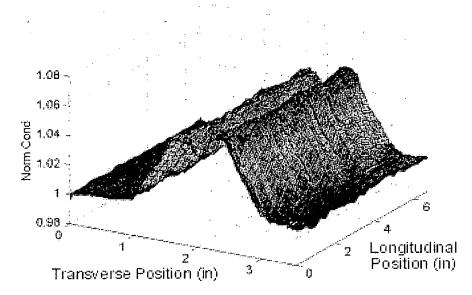
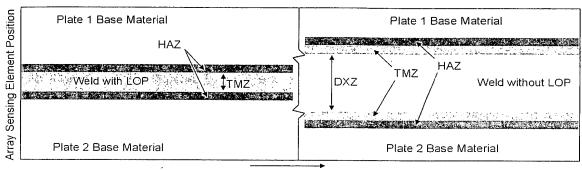


FIG 13

Title: HIGH RESOLUTION INDUCTIVE SENSOR...

Inventors: Neil J. Goldfine, et al.



Scan Position Along Weld

FIG 14

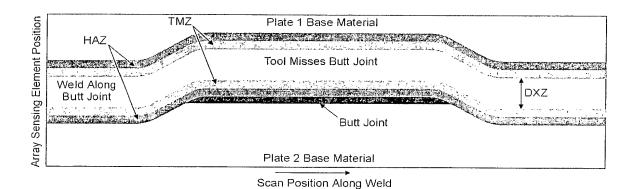


FIG 15

Title: HIGH RESOLUTION INDUCTIVE SENSOR...
Inventors: Neil J. Goldfine, et al.

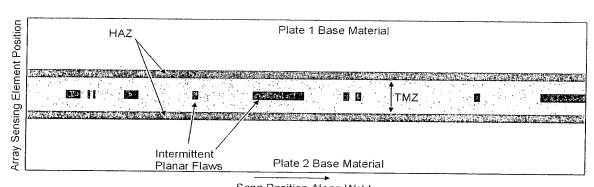
Plate 1 Base Material

DXZ

Plate 2 Base Material

Scan Position Along Weld

FIG 16

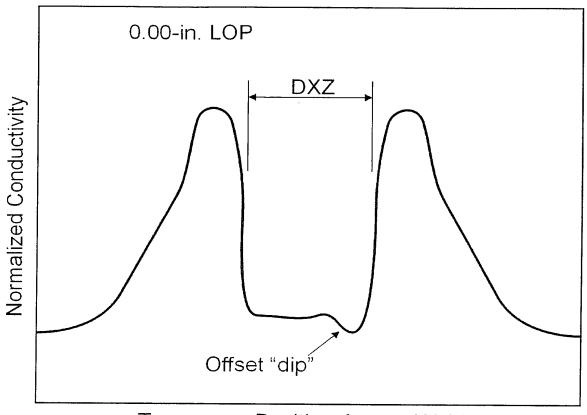


Scan Position Along Weld

FIG 17

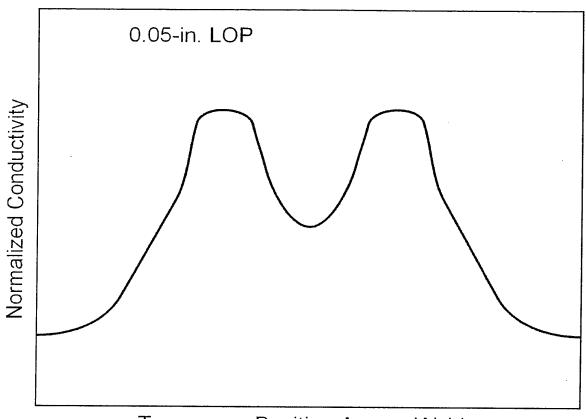
Title: HIGH RESOLUTION INDUCTIVE SENSOR...

nventors: Neil J. Goldfine, et al.



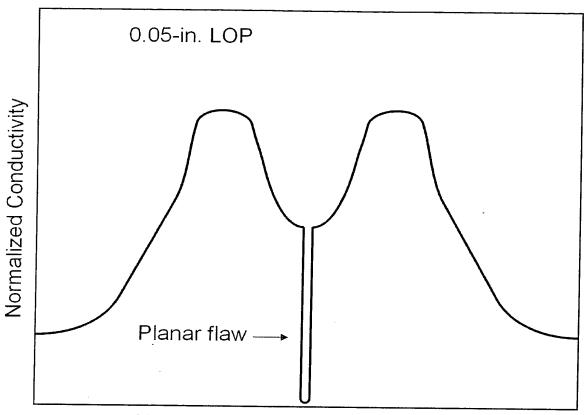
Transverse Position Across Weld

FIG 18



Transverse Position Across Weld

FIG 19



Transverse Position Across Weld

FIG 20

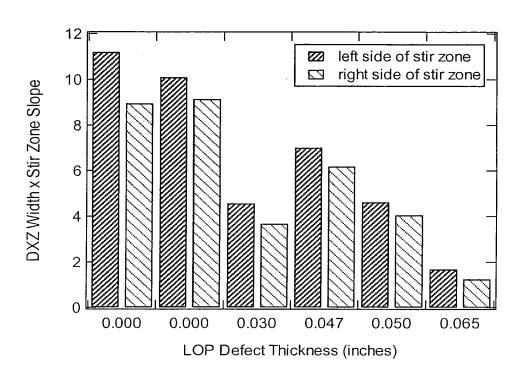


FIG 21

Docket No.: 1884.2005-003

Title: HIGH RESOLUTION INDUCTIVE SENSOR...
Inventors: Neil J. Goldfine, et al.

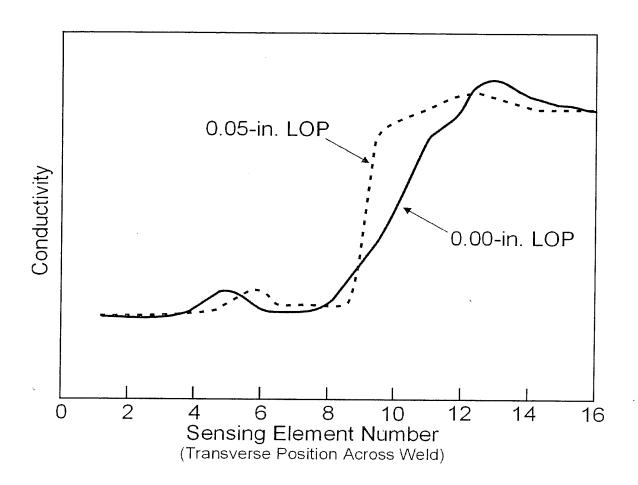


FIG 22

Title: HIGH RESOLUTION INDUCTIVE SENSOR...

Inventors: Neil J. Goldfine, et al.

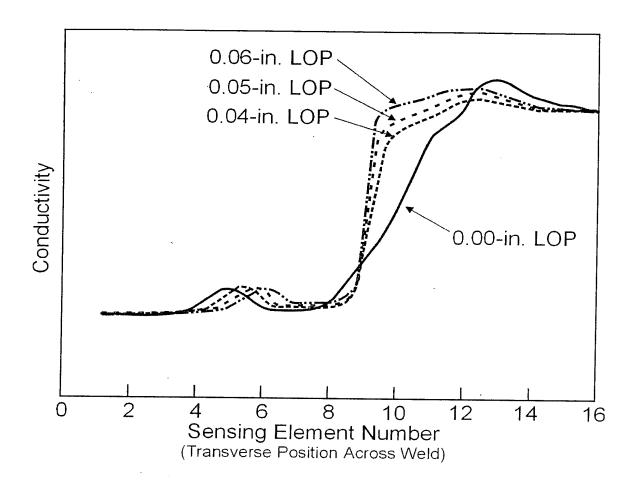


FIG 23

Title: HIGH RESOLUTION INDUCTIVE SENSOR...

Inventors: Neil J. Goldfine, et al.

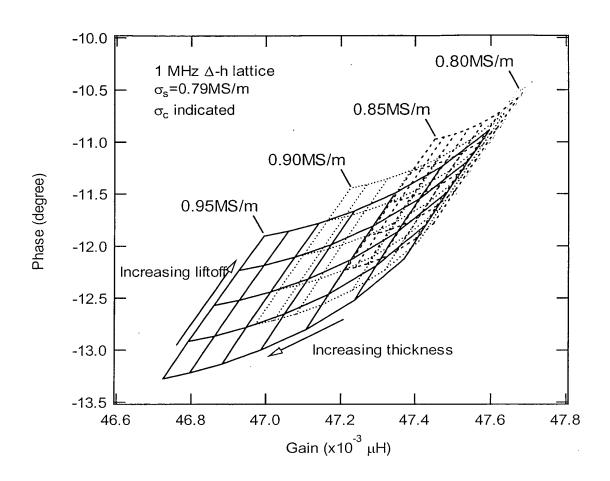


FIG 24

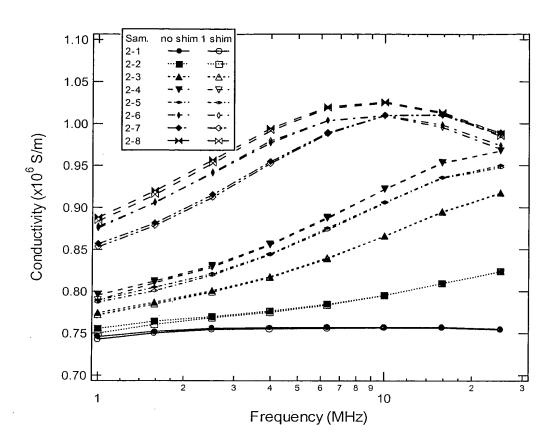


FIG 25

Docket No.: 1884.2005-003

Title: HIGH RESOLUTION INDUCTIVE SENSOR...
Inventors: Neil J. Goldfine, et al.

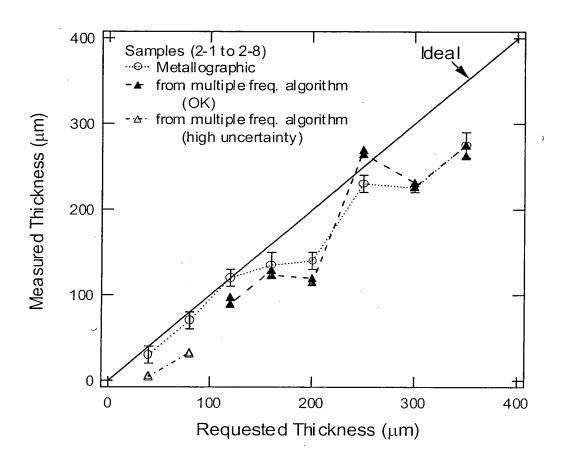


FIG 26

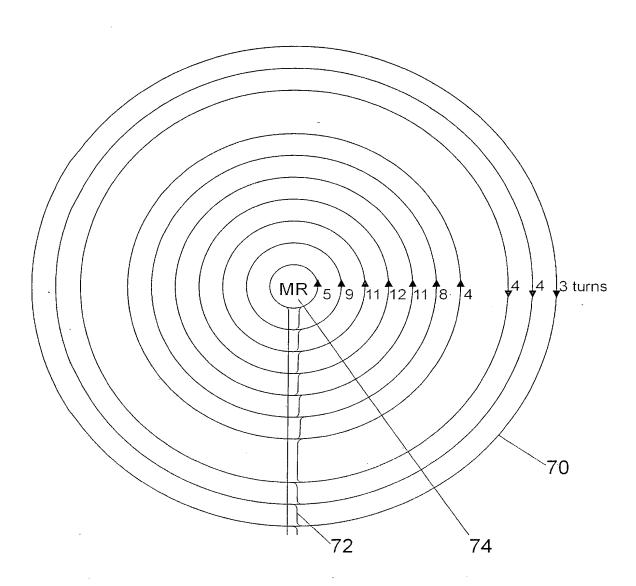


FIG-27

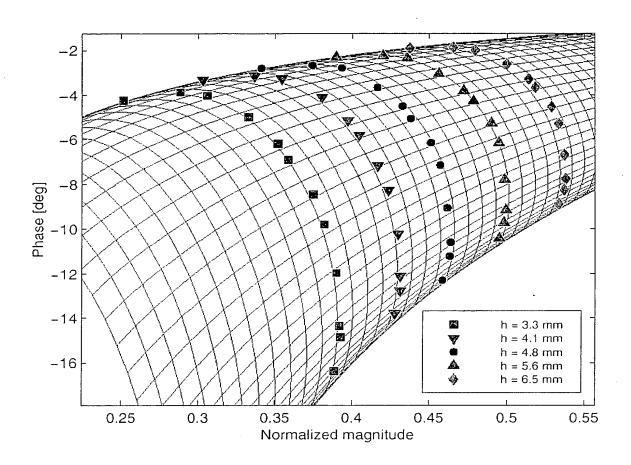


FIG 28

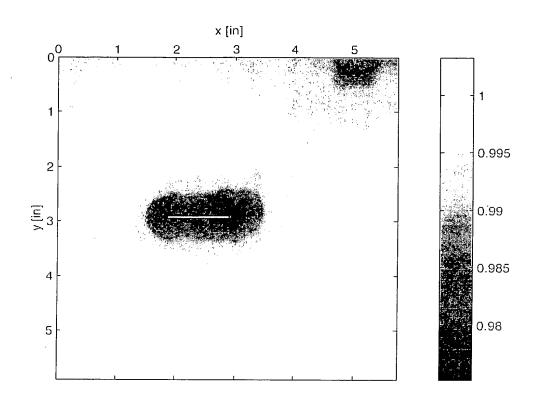
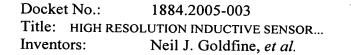


FIG 29



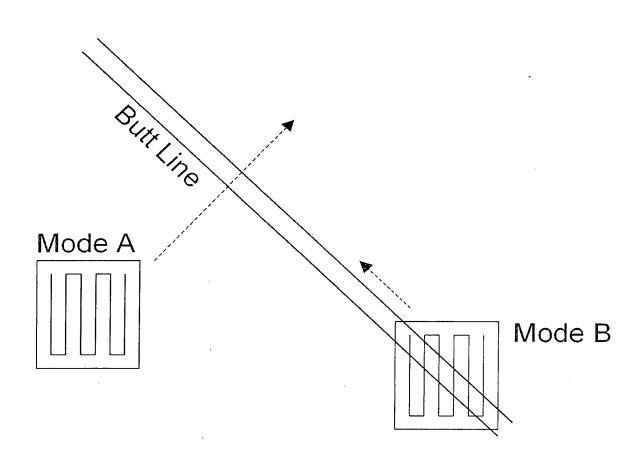


FIG 30

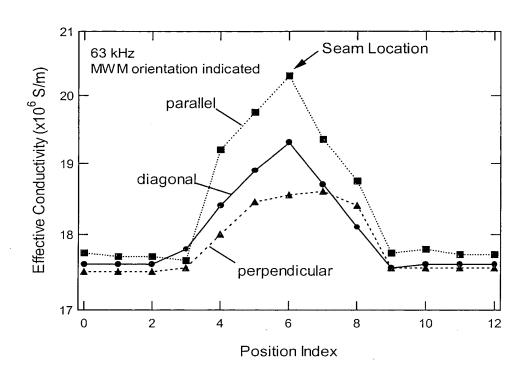


FIG 31

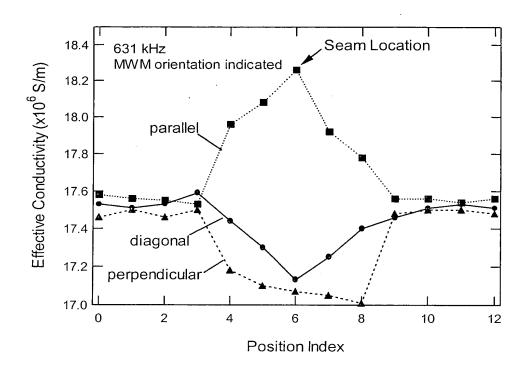


FIG 32

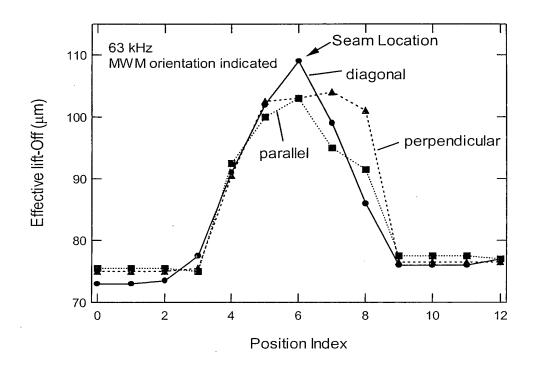


FIG 33

Docket No.: 1884.2005-003
Title: HIGH RESOLUTION INDUCTIVE SENSOR...

Inventors: Neil J. Goldfine, et al.

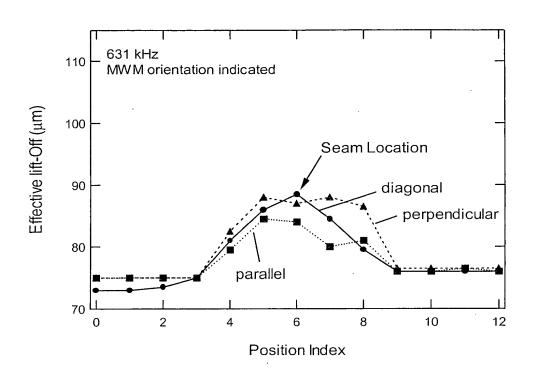


FIG 34

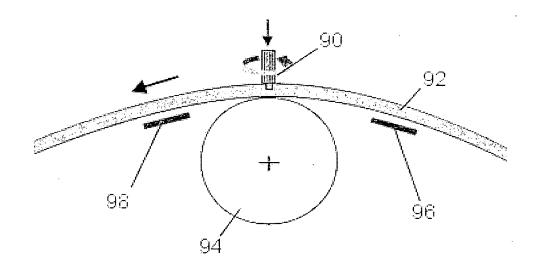


FIG 35